Optoma

EX540i
DLP® Projector

High Performance projector for Education or Business presenting

- Bright projection – 2500 ANSI Lumens
- XGA resolution, 2500:1 contrast ratio for sharp, detailed presentations and graphics
- Digital and Analogue connectivity includes: HDMI, dual VGA
- 10W speaker – all-in-one multimedia set-up
- Low ownership costs – up to 5000hrs lamp life
- Cable free presentations with wireless convenience
- Networking – RJ45 control and monitoring
- Environmentally friendly design <1W standby mode
- Portable – carry bag provided for easy transportation
- Optoma EX540i filter-free design – virtually no maintenance

3D EDUCATION†

BrilliantColor

5 year IMAGER GUARANTEE

COLOUR GUARANTEED 5 YEARS

Projection Made Easy

Ideal for your classroom or meeting room, the EX540i with 120Hz 3D capable technology projects clear, bright images with superb colours using DLP® and BrilliantColor™ technologies. Easy to operate and reliable, the EX540i incorporates a range of energy saving and security features.

Installed or on the move, the versatile EX540i incorporates advanced network & optional wireless capabilities, extensive connectivity and a powerful 10W stereo speaker.

Environmentally friendly design with energy saving features including <1W standby mode. Long lamp-life of 5000hrs saves you both time and money, combined with our unique Optoma colour and imager guarantee ensures hassle-free, long lasting projection.

†3D TECHNOLOGY

Using the inherent speed of DLP technology, The Optoma EX540i can output video and images at an astonishing rate of 120Hz, allowing you to show full screen, full colour, stereoscopic 3D. The 3D effect is generated by splitting this signal into two standard video streams, one for each eye. Using DLP® Link™ technology, the 3D glasses synchronise with the image on screen to filter each stream to the correct eye. Your brain then combines the two streams to make them jump into life.

The 3D features of the EX540i can only be used with compatible 3D content. Typical applications include use with 3D educational or 3D design and modelling software. Currently the EX540i does not support 3D TV broadcast systems, SKY in the UK or 3D Blu-ray, though support for these applications may be added in future using additional hardware.

EDUCATION†

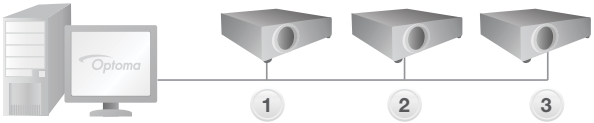
PROJECTOR CONTROL AND MANAGEMENT

Networking

Projectors can be controlled and monitored over a network (LAN) using a web browser.

- Manage up to 99 projectors at the same time (via master PC)
- Control and alter the projector settings using a simple web browser page
- Instant onscreen display of messages to all projectors
- Set up email alerts for warning messages

Ideal for large installations in both in the educational and business environments.



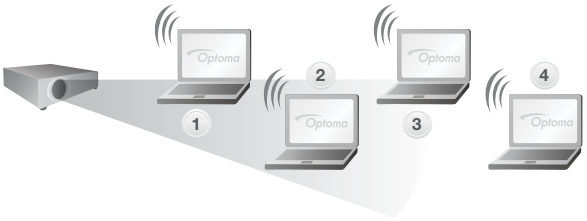
Control

The extensive RS232 command set makes it simple and easy to control the EX540i with any control system.

AMX Compatibility – Dynamic Discovery Protocol is incorporated into the EX540i. This feature allows for easy installation with AMX control systems.

Wireless Presenting

Making presentations couldn't be easier using the optional wireless features of the EX540i. Cable free presenting saves time and facilitates effortless switching between presentations from different sources. Simply download the software and start presenting instantly.



WIRELESS (OPTIONAL EXTRA)

WPS-Dongle, lets you connect and display presentation material wirelessly.

EXTENSIVE CONNECTIVITY

This native XGA projector accepts a wide variety of computer and video input signals.

Connectivity includes: HDMI, dual VGA–Wireless/SCART/Component, S-Video, Composite, VGA-Out, RS232 and RJ45.

Three audio inputs for individual PC and video connections enable the EX540i to function as an audio switcher and volume controller, thereby eliminating complicated and costly additional audio hardware and cabling.

EDUCATION FRIENDLY

Choose Classroom display mode at 1500 ANSI Lumens to meet the BECTA guidelines.

AUDIO CAPABILITY

Built-in 10W speaker offers excellent audio support. The EX540i is easy to set up without the need for costly external speakers.

CLEAR, FOCUSED IMAGES

Technology from Texas Instruments produces a stunning 2500:1 contrast ratio for pin sharp graphics and crystal clear text. Crisper whites, ultra-rich blacks makes images come alive and text easier to read - ideal for business and education presentations.

1000:1 contrast ratio 2500:1 contrast ratio

‡Simulated Image

AMAZING COLOURS

The EX540i incorporates BrilliantColor™ technology to produce stunningly bright images with perfectly balanced life-like colours.

Preset display modes allow you to achieve a perfect image on a variety of surfaces including screens and interactive whiteboards.

COLOUR AND IMAGER GUARANTEE

Bright colours and fantastic image quality are guaranteed for an amazing 5 years after purchase - giving piece of mind that the technology inside the Optoma EX540i projector won't fade or degrade.

VIRTUALLY MAINTENANCE FREE = LOWER TOTAL COST OF OWNERSHIP (TCO)

EX540i provides lower cost of ownership, longer life and improved reliability. The filter-free projector design does not require regular filter cleaning or filter replacement, saving you time and money.

ENVIROMENTALLY FRIENDLY

The EW536 incorporates energy saving features to conserve power and extend the lamp life:

To achieve the maximum 5000hrs** lamp life time the projector should be operating in STD mode and the shut down timer should be enabled to automatically switch off the projector if it is accidentally left on when no longer required. Enabling the <1W Standby mode will ensure the minimum energy consumption when the projector is not being used.

It takes less than 10 seconds for the projector to power up and shutdown, saving both time and energy.

FEATURES

- 6 preset display modes
- Security bar and password protection for added security
- Easy to use remote with laser pointer, mouse control and direct source selecting
- Direct power on
- Customised start-up logo

Enjoy big bright pictures in the office, classroom day or night

EX540i SPECIFICATIONS

Native Resolution	XGA 1024 x 768
Compressed Resolution	UXGA (1600 x 1200)
Brightness - BRIGHT mode	2500 ANSI Lumens
Contrast	2500:1
Noise Level	27dB
Lamp Life**	5000/4000 (STD/BRIGHT mode)
Projection Lens	F/2.41~2.66; f=18.2~21.8mm, 1.2x Manual Zoom
Throw Ratio	1.6 - 1.92:1 (Projection Distance:Image Width)
Projection Distance	1.2 - 12m
Image Size	0.78 – 9.38m (30.79" - 369.43") Diagonal 4:3
Display Technology	Single 0.55" XGA DC3 DMD chip DLP® Technology by Texas Instruments
Weight / Dimensions (W x D x H)	2.9 kg / 324 x 234 x 97mm
Remote Control	Full function remote with laser pointer, mouse control and direct source selecting
INPUTS	HDMI (HDCP) - audio supported 2 x 15 Pin D-Sub VGA (Wireless/SCART/Component via adaptor) S-Video 4 Pin Mini Din Composite RCA 3 x 3.5mm Audio Mini Jack (Selectable via OSD) USB (remote mouse)
CONTROL	RS232 - 9 Pin D-sub RJ45
OUTPUT	15 Pin D-Sub VGA 3.5mm Audio Mini Jack
Audio	10W Speaker
Aspect Ratio	4:3 Native, 16:9 Compatible
Keystone Correction	± 40° Vertical
On Screen Display	19 Languages: English, German, French, Italian, Spanish, Portuguese, Polish, Dutch, Russian, Finnish, Swedish, Greek, Norwegian, Danish, Hungarian, Czech, Turkish, Farsi & Arabic
Video Compatibility	PAL SECAM 576i/p, NTSC 480i/p, HD 720p/1080i/1080p
Uniformity	85%
Displayable Colours	1.07 Billion
Horizontal Scan Rate	15 - 91kHz
Vertical Scan Rate	25 - 120Hz
Power Supply	100 - 240V, 50 - 60Hz
Power Consumption	232W BRIGHT mode < 1W Standby mode 212W STD mode < 1W Standby mode
Operating Conditions	Operating: 5 - 40°C, 85% Humidity (Max), 3000m Altitude (Max)
Security	Security Bar, Kensington Lock Port, Password Protection
Standard Accessories	Soft Carry Bag, Lens Cover, AC Power Cord, VGA Cable, USB cable, Full Function Remote, Batteries x 2, Quick Start Guide, CD User Manual, Warranty Card, WEEE Card
Optional Accessories	Wireless Dongle, SCART & Component adapter, Ceiling Mount
RoHS	Compliant
Lamp Warranty	6 months or 1000 hours - whichever comes sooner
Warranty	Warranty may vary by country. Please see www.optomaeurope.com or ask your local supplier for details
Colour Guarantee*	5 Years
Imager Guarantee***	5 Years
3D Support	120Hz frame sequential 3D for resolutions up to 720P. 60Hz field sequential 3D for resolutions up to 480i
3D Viewing	Requires Optoma DLP® Link™ active shutter glasses – sold separately

EASY TO USE REMOTE CONTROL

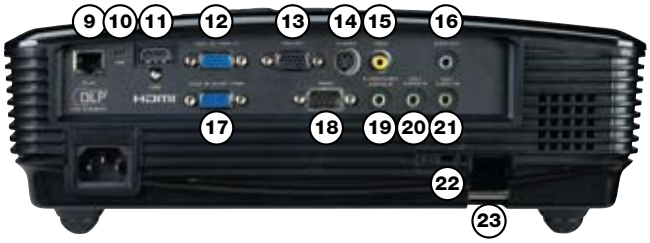
EX540i Remote Control

1 Laser
2 Remote Mouse
3 Page Up/Down Control
4 Vertical Keystone Correction
5 Volume Control
6 Brightness Adjustment
7 AV Mute
8 Direct Input Source Selection

EX540i Connections

9 RJ45
10 USB (Remote Mouse)
11 HDMI (audio supported)
12 VGA 1- Wireless & Component
13 VGA Out
14 S-Video
15 Composite Video
16 Audio Out
17 VGA 2 - SCART & Component
18 RS232 - 9 Pin
19 Audio In (S-Video & Composite)
20 Audio In (VGA 1)
21 Audio In (VGA 2)
22 Kensington™ Lock
23 Security Bar

Exceptional Connectivity / Multiple Terminals



Easy to use remote with buttons to change the input sources

EX540i Projection Distance 1.2 - 12m (4:3 Aspect Ratio)							
Projection Distance (m)	Max. Horizontal Image Size (m)	Min. Horizontal Image Size (m)	Max. Vertical Image Size (m)	Min. Vertical Image Size (m)	Max Diagonal Image Size (m)	Max Diagonal Image Size (inch)	Max. Image Offset (m)
1.20	0.75	0.63	0.56	0.47	0.94	36.94	0.08
2.00	1.25	1.04	0.94	0.78	1.56	61.57	0.14
2.50	1.56	1.30	1.17	0.98	1.95	76.96	0.18
3.00	1.88	1.56	1.41	1.17	2.35	92.36	0.21
4.00	2.50	2.08	1.88	1.57	3.13	123.14	0.28
5.00	3.13	2.60	2.35	1.96	3.91	153.93	0.35
6.00	3.75	3.13	2.82	2.35	4.69	184.71	0.42
7.00	4.38	3.65	3.29	2.74	5.47	215.50	0.49
8.00	5.00	4.17	3.76	3.13	6.26	246.29	0.56
9.00	5.63	4.69	4.23	3.52	7.04	277.07	0.63
10.00	6.25	5.21	4.70	3.92	7.82	307.86	0.70
11.00	6.88	5.73	5.17	4.31	8.60	338.64	0.78
12.00	7.50	6.25	5.64	4.70	9.38	369.43	0.85

For guide purposes only

EX540i is capable of 16:9 aspect ratio projection. When projecting a 16:9 image the image sizes, screen height and offset information will differ from the above.

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www.optoma.co.uk

Panoview
Optoma recommended Screens
www.panoview.eu

PICTURE BY DLP
TEXAS INSTRUMENTS

*Optoma guarantees that in normal use, Optoma DLP® colour quality will be indistinguishable from when new. Exclusions: (1) Guarantee is voided if the projector is subject to damage through misuse. (2) Guarantee may be void in industrial or commercial entertainment environments where dust or smoke is excessive (3) Guarantee will not apply if lamp brightness is below 50% due to wear or if the projector is not working due to other faults. (4) Over time worn lamps within all projector types will show a slight colour variance. **Typical lamp life achieved through testing. Will vary according to operational use and environment conditions. *** Optoma guarantees that in normal use, the DLP® imager will retain image quality for at least 5 years and provide consistent pixel performance. Exclusions: (1) Guarantee is voided if the projector is subject to damage through misuse. (2) Guarantee may be void in industrial or commercial environments where dust or smoke is excessive.

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